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LOCKING MECHANISM FOR EXTERNAL OPTICAL DISK DRIVE

Abstract

A locking member is positionedonan upper housing to release or lock a cover. A rotary shaft is integrally formed with the cover. Both ends of an elastic member are respectively adapted to be received in holes of the rotary shaft and a mounting member defined on the bottom of the upper housing and adapted to receive the rotary shaft of the cover. In addition, the elastic member is restrained by the rotary shaft and the mounting member. When the cover is closed, the line of force of the elastic member is directed to a connecting rod, and the cover is not subjected to a torsional moment of the elastic member. When the locking member disengages from the opening of the cover, the line of elastic force is not directed to the connecting shaft, and the cover will be opened due to the resilience of the elastic member.